## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE     |  |  |  |  |  |
|---------------------------|----------|--------|----------|--|--|--|--|--|
|                           |          |        |          |  |  |  |  |  |
| FEE DETERMINATION         | JE       |        | 426-01   |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       | ···      |        | 5-14-01  |  |  |  |  |  |
| FORMALITY REVIEW          | 10       | 870    | N-14-01  |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW | TAP      | 1(10)  | 9-2-4-61 |  |  |  |  |  |
|                           |          |        |          |  |  |  |  |  |

## INDEX OF CLAIMS

| J | Rejected                   | N | Non-elected |
|---|----------------------------|---|-------------|
| = | Allowed                    | l | Interferenc |
|   | (Through numeral) Canceled |   | Appeal      |
|   | Restricted                 |   | Objected    |
|   |                            |   |             |

| (Through nume |               | ner  | ral) Canceled A |              |            |          |                         |           |                 |              |          |          |          |             | Appeal<br>Objected |          |          |           |           |              |          |          |              |          |          |                 |          |          |            |           |          |           |             |                 |          |
|---------------|---------------|------|-----------------|--------------|------------|----------|-------------------------|-----------|-----------------|--------------|----------|----------|----------|-------------|--------------------|----------|----------|-----------|-----------|--------------|----------|----------|--------------|----------|----------|-----------------|----------|----------|------------|-----------|----------|-----------|-------------|-----------------|----------|
|               | ;             |      | 89.<br>•        | ✓.           | ```<br>. / | P.C.     |                         | ÷         | •               | ••••         | ••••     | ••••     | •••••    | ••••        |                    | . Re     | stri     | ctec      | 1         |              |          | С        |              | •••••    |          |                 |          |          | . UDJ      | ecte      | 3a       |           |             |                 |          |
|               | Cla           | im   | Ŕ               | C            | Υ,         | 7        | ^                       | Dø        | 1e              |              | _        |          |          | ٦           | [                  | lair     | n        |           |           |              | D        | ate      |              |          |          |                 | ]        | Cla      | im         |           |          |           | D           | ate             | _        |
|               |               |      | 3               | Ų            | 7          | 31<br>21 | $\mathcal{I}$           | Z         | -               | T            | 1        |          | T        |             | Γ.                 | <u>.</u> | Onginai  |           |           |              |          |          |              |          |          |                 |          | -        | Original   |           |          |           |             |                 | 1        |
|               | Final         | 剽    | 3               | V            | 卜          | 7        | X                       | 1         | ţ.              | 1            |          | ١        |          | ļ           | - 1                | E :      | 5        |           |           |              | 1        | -        | -            | 1        |          |                 |          | 뜶        | Ori        |           | L.       |           | $\perp$     | $\perp$         | 1        |
| ů.            |               | ឥ    | 3               |              | ŕ.         | X        | 7                       |           | *               | $^{\dagger}$ | +        | +        | +        | ٦           | r                  | 1        | 51       | $\top$    | T         | 1            | 1        |          | T            |          |          | 1               | ]        |          | 101        |           |          |           |             | L               | 1        |
| ă,            | $\rightarrow$ | 2    | Y               | ĭ            | Ιľ         | 1        | 1                       | ŏ         | 1               | †            | 1        | 1        | $\top$   | ٦           | Г                  | 1        | 52       | T         | T         |              |          |          | $\Box$       |          |          |                 | ]        |          | 102        |           | $\perp$  | 1         | $\perp$     | $\bot$          | 4        |
| 3.5           | $\neg$        | 3    | 1               | +            | 11         | T        | Г                       | C         | 朾               | 7            | 7        | 1        | T        | 7           | Γ                  | 1        | 53       | Т         | Τ         | Ī            |          | T        |              | 1.       |          |                 | ]        |          | 103        | 1         |          | 1         | $\perp$     | ┵               | 4        |
| ٠.            | П             | 4    | T               | T            | Ħ          |          | T                       | V         | 1               |              |          |          |          |             |                    |          | 54       | I         | I         | I            | I        | $\Box$   | 1            | $\Box$   | $\perp$  | 1               | 1        | _        | 104        | +         |          | +         |             | +               | 4        |
|               | •             | 5    | Ι               | $\mathbf{I}$ | П          |          | Γ                       | 0         | ī               |              |          |          |          |             | L                  |          | 55       | 1         | $\perp$   | 4            | 4        | _        | $\downarrow$ |          | 4        | 4               | 4        | $\vdash$ | 105        | -         | +        | +         | +           |                 | +        |
|               |               | 6    |                 | L            | Ц          | 1        | L                       | 0         | 1               | 1            | 4        | 4        | 4        | $\dashv$    | Ļ                  | _        | 56       | +         |           | +            | -        | +        | 4            | $\dashv$ |          | +               | ╁        | -        | 106<br>107 | +         | +        | +         | +           | +               | +        |
|               | Ш             | 7    | 1               |              | Ц          | 4        | 1                       | Ç         | <u></u>         | $\perp$      | 4        | 4        | 4        | 4           | - 1                |          | 57       | -         | +         | +            | +        |          | +            |          |          | +               | 1        | -        | 108        | +         | +        | ╁         | +           | +-              | +        |
| •             | Ш             | 8    | 1               | 1            | Ц          | 4        | 1                       | Č         | <u>\</u>        | +            | $\perp$  | 4        | +        | 4           | F                  | -        | 58       | +         | +         | +            | +        | +        | +            | -+       | ╁        | +               | ┨        | $\vdash$ | 109        |           | +        | +         | +           | -+              | +        |
| ٠.            | _             | 9    | 4               | 1            | H          | +        | Ŧ,                      | بإ        | <del>' </del> - | +            | +        | +        | +        | $\dashv$    | ŀ                  |          | 59<br>60 | +         | +         | +            | +        | +        | +            | +        |          | +               | 1        | -        | 110        | $\dagger$ | ╅        | +         | _           | 十               | 7        |
|               | ŀ             | 3    | 1               | H            | Н          | Н        | ¥                       | Ç         | *               | +            | +        | +        | -+       | ┥           | -                  |          | 61       | +         | +         | ╁            | +        | ╅        | $\dashv$     | _        | +        | +-              | 1        | $\vdash$ | 111        | $\dashv$  | 7        | +         | $\top$      | 十               | 7        |
| ٠, ٠          | -             | ) 12 | 쏫               | ¥            | Н          | H        | ۴                       | 6         | +               | ╫            | +        | +        | +        | $\dashv$    | ŀ                  |          | 62       | $\dagger$ | +         | $^{\dagger}$ | -+       | 十        | +            | $\dashv$ | $\top$   | +               | 1        |          | 112        | $\forall$ |          | Ť         | 1           | $\top$          | 7        |
| i.<br>Sin     |               | 13   | 7               | P            | *          | Н        | t                       | ×         | +               | +            | $\dashv$ | +        | -+       | ┨           | ŀ                  |          | 63       | +         | $\dagger$ | +            | $\dashv$ |          | 7            |          | 1        | ┪               | 1        |          | 113        |           |          |           | $\Box$      | $\perp$         |          |
|               | -             | 14   | Y               | Y.           | X          | ╁        | t                       | ۲,        | *               | +            | $\dashv$ | 7        | +        | ┪           | ı                  | -        | 64       | 1         | 十         | 1            | $\dashv$ | 1        |              | $\neg$   |          | 1               | ]        |          | 114        |           |          |           | $\Box$      | $\perp$         |          |
| Ť.,           | -             | 15   | 1               | K            | ť.         | Ħ        | t                       | ۲         | ,               | +            | +        | $\dashv$ | _        | $\dashv$    | ľ                  | 7        | 65       | T         | Ť         | T            | T        |          |              |          |          |                 | ]        |          | 115        | $\perp$   |          |           | $\sqsupset$ | $\bot$          | _        |
|               | 7             | 16   | H               | 1            | Χ.         | Ħ        | †                       | M         | 7               | $\top$       | 1        |          | 7        |             | Ī                  |          | 66       |           | $\top$    |              | $\Box$   |          |              |          |          | $\perp$         | ]        | L        | 116        | _         | _        | _         | _           | 4               | 4        |
| ٠.            |               | 17   | H               | l.           | X.         | Ħ        | †                       | 11        | Ť               | $\top$       | T        |          |          |             | [                  |          | 67       |           | $\Box$    | $\Box$       | $\Box$   |          |              |          | $\perp$  |                 | ١.       | L        | 117        | 4         | _        | 4         | 4           | _               | 4        |
|               | Г             | 18   | V               | ľ            | Z          | 1        | 1                       | П         | T               |              |          |          | $\Box$   |             |                    | _        | 68       |           |           | $\bot$       | $\perp$  | $\bot$   | _            |          | 4.       | $\perp$         | 4        | _        | 118        | 4         | $\dashv$ | -         | $\dashv$    | +               | 4        |
| ٠,            | F             | 19   | C               | V            | 4          | 7        |                         | 1         | 'n              |              |          |          |          |             |                    |          | 69       | 1         |           |              | _        | $\dashv$ |              | Ц        | _        |                 | 4        | $\vdash$ | 119        | _         | +        | 4         | +           | 4               | 4        |
| •             |               | 20   | マ               | 1            | χ          | J        | $\overline{\mathbf{A}}$ | K         |                 |              |          |          |          |             |                    |          | 70       |           |           |              | $\perp$  | _        |              |          | _        | _               | _        | L        | 120        | _         |          | 4         | 4           | +               | _        |
| _             |               | 21   | Т               | Γ            | Τ          |          |                         | Τ         | 7               |              |          |          |          |             |                    |          | 71       |           |           | _            | $\perp$  | _        |              |          | _        | $\perp$         | 4        | <u> </u> | 121        |           | 4        | -         | 4           | +               | _        |
|               |               | 22   | Γ               |              | T          |          |                         | Ι         | $\top$          |              |          |          |          |             |                    |          | 72       | 4         | 4         | $\dashv$     | _        | _        | _            | Щ        | _        |                 | 4        | $\vdash$ | 122        | 4         |          | 4         | -+          | +               | _        |
|               |               | 23   |                 |              |            |          |                         | L         | $\perp$         |              |          |          |          | _           | ļ                  |          | 73       | 4         |           | 4            |          | _        |              | $\sqcup$ | _        | -               | 4        | $\vdash$ | 123        |           | $\dashv$ | -+        | $\dashv$    | +               | _        |
| -             |               | 24   | -               | L            | 1          | _        | _                       | L         | 4               | _            | _        |          | $\Box$   | _           | ļ                  |          | 74       | 4         | _         | 4            | _        | $\dashv$ |              |          |          | +               | -        | -        | 125        | -         |          | $\dashv$  | +           | $\dashv$        |          |
|               |               | 25   |                 | L            | 1          |          |                         | 1         | 4               | -            | _        | _        |          | 4           | -                  |          | 75       | $\dashv$  | -         | -            |          | 4        |              | $\vdash$ | $\dashv$ |                 | $\dashv$ | H        | 126        | -         |          | $\dashv$  | $\dashv$    | +               | _        |
|               |               | 26   | _               | Ļ            | 4          | 4        |                         | +         | 4               | 4            | _        |          | $\Box$   |             |                    |          | 76<br>77 | -+        | $\dashv$  |              | -        |          | _            |          | -        | +               | $\dashv$ | -        | 127        |           | $\dashv$ | $\dashv$  | 十           | $\dashv$        |          |
|               | <u></u>       | 27   |                 | 4            | 4          | _        |                         | -         | +               | $\dashv$     |          | _        | $\vdash$ | -           |                    |          | 78       | $\dashv$  | -+        | $\dashv$     |          | $\dashv$ |              | $\vdash$ |          |                 | -        | $\vdash$ | 128        |           |          | 7         | _           | 十               | _        |
|               | -             | 28   |                 | 1            | -          | _        | H                       | ╄         | +               |              | _        |          | $\vdash$ | -           |                    |          | 79       | +         | $\dashv$  |              | -        |          |              |          | -        | +               | ┪        | -        | 129        |           |          | $\exists$ | _           | $\dashv$        |          |
|               | $\vdash$      | 30   | _               | +-           | +          |          | -                       | +         | $\dashv$        |              | -        |          | Н        |             | ļ                  | _        | 80       | $\dashv$  | -         | $\dashv$     |          | $\dashv$ |              | Н        | $\dashv$ | 十               | -        |          | 130        |           |          | _         | 一           |                 | _        |
|               | -             | 31   | _               | +            | +          |          | -                       | +         | +               | -            |          |          | Н        | -           |                    | _        | 81       | +         | $\dashv$  | $\dashv$     | _        |          |              | $\Box$   |          | $\neg \uparrow$ | 7        |          | 131        |           |          | $\exists$ |             |                 | _        |
|               | $\vdash$      | 32   | _               | ╁            | +          | _        | H                       | +         | +               | $\dashv$     | _        | _        |          |             |                    |          | 82       | $\dashv$  |           |              |          |          |              | Г        |          | $\exists$       | ٦        |          | 132        |           |          |           |             |                 |          |
|               | -             | 33   | -               | +            | +          | _        | -                       | $\dagger$ | $\dashv$        | -            |          |          | П        | <del></del> |                    | _        | 83       | 7         | $\neg$    |              | П        |          |              |          |          | 丁               |          |          | 133        |           |          |           |             |                 | _        |
|               | $\vdash$      | 34   | _               | +            | 7          | _        | Γ                       | $\dagger$ | 寸               | $\neg$       |          |          | Г        |             |                    |          | 84       | _1        |           |              |          |          |              |          |          | $\Box$          |          |          | 134        |           |          | _         | _           | $\sqcup$        | _        |
|               |               | 35   |                 | Ť            | 7          |          | Γ                       | +         | $\dashv$        |              |          |          |          |             |                    |          | 85       |           |           |              |          |          |              |          |          | $\perp$         | $\perp$  | L        | 135        |           | Ш        | _         | _           | $\vdash \vdash$ |          |
|               |               | 36   |                 | _            | J          |          |                         |           |                 |              |          |          |          |             |                    |          | 86       |           |           |              | _        | $\sqcup$ |              | <u> </u> | Щ        |                 | _        | L        | 136        | 1         | $\sqcup$ | _         |             | $\vdash$        | _        |
|               |               | 37   | 7               | 1            | ٦          |          |                         |           |                 |              |          |          |          |             | ]                  |          | 87       | _         |           |              |          |          | _            | $\perp$  |          |                 | 4        | -        | 137        |           | -        |           | -           | Н               | _        |
|               |               | 38   |                 |              |            |          | L                       | l         | _               | _            |          |          |          | L           |                    | _        | 88       |           |           |              |          | _        | L            | -        |          | -               | $\dashv$ |          | 138        | +         | H        | _         | _           | $\vdash$        | _        |
|               |               | 39   | ī               |              |            | _        | L                       | $\perp$   |                 |              | _        | L        | ┖        | L           |                    | L        | 89       | $\perp$   |           |              | ļ        | $\vdash$ | _            | ╁        | _        | $\dashv$        | -        | -        | 139        |           | -        | _         |             | $\vdash$        |          |
|               |               | 40   |                 |              |            |          | L                       | 1         |                 |              |          | _        | L        | <u></u>     | 1                  | L        | 90       |           |           | _            | _        | <u> </u> | <u> </u>     | -        | <u> </u> | $\dashv$        | 4        | Ļ        |            |           | ₩        |           | _           | $\vdash$        | _        |
| ž             |               | 4    | 1               | Ι            |            |          | Ĺ                       |           |                 |              | L        | _        | L        |             |                    | L        | 91       |           |           |              | _        | Щ.       | _            | ╄-       | <u> </u> | $\sqcup$        | 4        | F        | 14         |           | ₽-       | <u> </u>  | -           | $\vdash$        | _        |
| j.            |               | 42   | -               |              |            |          | Γ                       | I         | $\Box$          | _            |          |          | Ľ        | L           |                    | L        | 92       |           |           |              | L        | $\vdash$ | <u> </u>     | +        | _        | $\vdash \vdash$ | $\dashv$ | -        | 14         |           | 1-       | _         | _           | $\vdash$        | -        |
|               |               | 43   |                 |              |            | _        | L                       | $\perp$   |                 |              | _        |          | L.       | _           | 1                  | _        | 93       |           | <u> </u>  | _            | ļ.,      | $\vdash$ | _            | ╁.       | <u> </u> | $\dashv$        | $\dashv$ | H        |            | +-        | +        | $\vdash$  | -           | $\vdash$        | -        |
|               |               | 4    |                 | $\int$       |            |          | L                       |           |                 |              | _        | L        | $\perp$  | 1_          | 1                  | $\vdash$ | 94       | L         | ldash     | <u> </u>     | $\vdash$ | 1-       | Ļ            | +        | <b>—</b> |                 | -        | $\vdash$ | 14         |           | +        | -         | -           | $\vdash$        | ┝        |
|               | L             | 4    | _               |              |            | Ľ.       | Ļ                       | 4         | _               | _            | _        | _        | $\vdash$ | 1           | -                  | $\vdash$ | 95       |           | _         | -            | $\vdash$ | ┼        | -            | +        | $\vdash$ | $\vdash$        | $\dashv$ | -        | 14         | -         | +        |           | ┢╌          | $\vdash$        | $\vdash$ |
|               | L             | 40   | -               | 1            |            | _        | 1                       | 4         |                 |              | $\vdash$ | ┡        | -        | $\vdash$    | 1                  | -        | 96       | _         | -         | _            | +-       | $\vdash$ | -            | +        | +-       | $\vdash$        | $\dashv$ | $\vdash$ | 14         |           | +-       | $\vdash$  | +           | $\vdash$        | ╁        |
|               |               | 47   | _               | 4            | _          |          | 1                       | 4         | _               | _            |          | 1_       | $\vdash$ | $\vdash$    | 4                  | <b> </b> | 97<br>98 | <u> </u>  | -         | -            | +        | $\vdash$ | +-           | +-       | ├-       | $\vdash$        |          | -        | 14         |           | +        | -         | -           | +               | $\vdash$ |
|               | $\vdash$      | 48   |                 | $\downarrow$ | _          | _        | 1                       | $\perp$   | _               | _            | <u> </u> | $\vdash$ | ┼-       | $\vdash$    | -                  | $\vdash$ | 99       | -         | -         | -            | ╀        | $\vdash$ | ╁            | +        | ┢        | H               | $\dashv$ | -        | 14         | _         | +        | -         | +           | 1-              | $\vdash$ |
|               | L             | 49   | 9               | 4            |            | L        | 4                       | +         |                 | <u> </u>     |          | +-       | $\vdash$ | ╁           | -                  | $\vdash$ | 99       | <u> </u>  |           | $\vdash$     | $\vdash$ | +-       | +            | +        | +-       | $\vdash$        | $\dashv$ | H        | 15         |           | +        | $\vdash$  | $\vdash$    | $\top$          | T        |

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